**PROJECT OVERSIGHT REPORT**

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| **Automated Fingerprint Identification System** | **Report as of Date:** |
| **Department of Information Services on behalf of** | **January 2002** |
| **Washington State Patrol** | |

**Project Director:** Ken Boling  **Executive Sponsor:** Mike Curtright
**MOSTD Staff:** Lourdes Collins

**Description:** The new Automated Fingerprint Identification System (AFIS21) replaces and improves the current Washington State Patrol's (WSP) Automated Fingerprint System (AFIS). AFIS21 is an online computer system designed to match and verify incoming arrests and crime scene fingerprints against historical prints stored in database files.

The system architecture will be an integrated, high performance, transaction processing system based on the latest version of NEC Technologies' (NEC) AFIS21 platform and will include:
- Year 2000 compliance
- Increased AFIS data storage capacity
- Fingerprint processing in a real-time environment
- Automation of manual functions
- Electronic record archiving system

**Technology:** The AFIS21 system consists of an NEC proprietary application and a commercial off-the-shelf infrastructure. The infrastructure elements include: NT operating system, Oracle databases, and advanced Redundant Array of Independent Disks (RAID) storage systems.

**Budget:** The total budget for Phases I through V is $7,603,460 over five years.
Direct expenditures as of January 2002 total $4,331,779. A payment to NEC for $50,000 is being withheld until successful completion of Phase IV.

**Schedule:** There are five phases of the AFIS project. Each phase will provide measurable benefits. The phases and ending dates are:

| | | | Schedule | Status |
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| • | Phase I | Card scan-based ten print submission | 10/1/99 | Complete |
| • | Phase II | Addition of remote site workstations | 12/6/99 | Complete |
| • | Phase III | Installation of stand-alone LiveScan | 7/29/00 | Complete |
| • | Phase IV | Electronic submission of LiveScan records | 6/30/01 | In Progress |
| • | Phase V | Criminal history interface | 6/30/01 | In Progress |

**Status:** Phase I: This phase is complete and the system is in production. DIS withheld 25 percent of the invoice for Phase I after conditionally accepting the system in October 1999 pending resolution of problems with response times and functionality. After further acceptance testing, Phase I was completed in January 2001.

Phase II: This phase completed on schedule.

Phase III: This phase completed on schedule.

Phase IV: The LiveScan to AFIS interfaces were completed in September 2001 in four counties: Kittitas, Grant, Clallam, and Whitman. Fingerprints and related criminal history information are being submitted electronically; however, some issues remain with the Microsoft NT server's messaging capability. NEC provided a fix to the problem in mid-January 2002; however, as of this report the fix had not been tested. This phase remains open.

Phase V: The AFIS interface to criminal history went into production on September 10, 2001. The latest release, intended to correct some outstanding problems, was installed on January 10, 2002 and is undergoing testing.  There are several issues to be resolved with AFIS, such as certain transactions stopping during processing and slow processing time.  WSP is working with the AFIS vendor to fix these problems.  This phase remains open.

Outstanding issues with Phase IV and V are being worked on by the vendors, and being monitored closely by DIS and WSP.

**Recommendation:**  DIS recommends that WSP continue efforts with the specific vendors toward resolution of Phase IV and Phase V, and that a timeline for resolution be determined. DIS further recommends that these issues be presented to the senior agency management.